

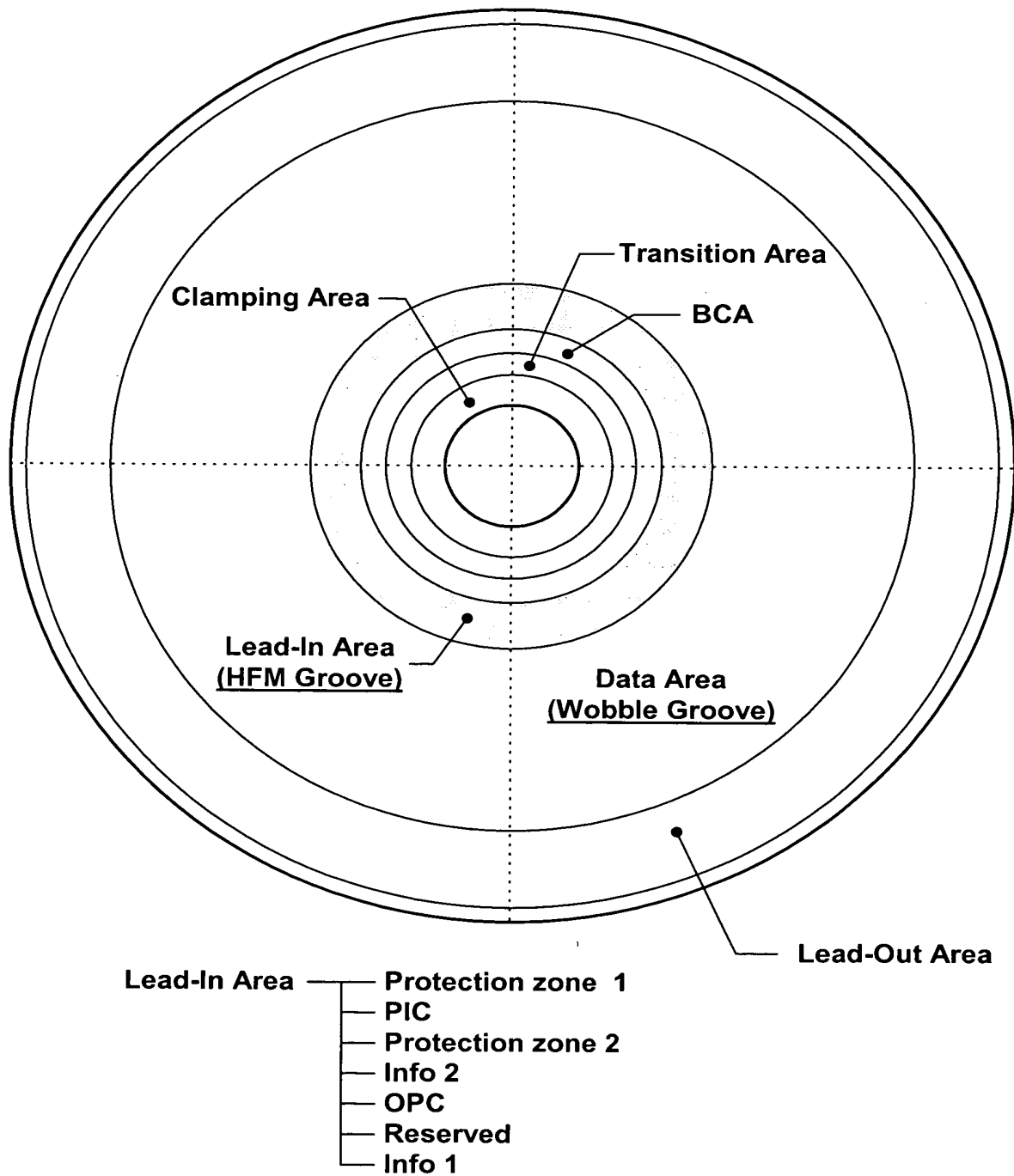
FIG. 1**BD-RE (Blu-ray Rewritable)**

FIG. 2

Biphase modulated HFM groove

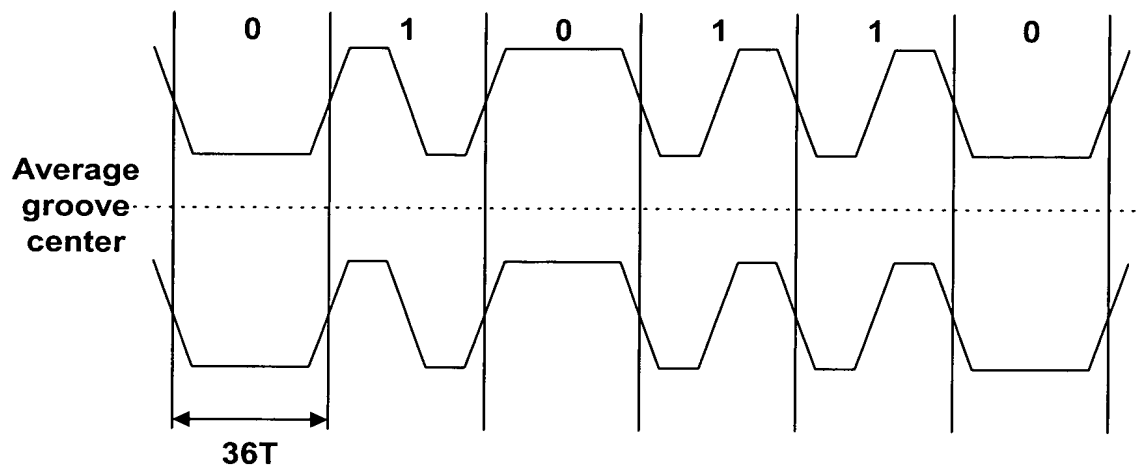


FIG. 3**Disc Information (in PIC Area)**

Byte number	Content	Number of bytes
0	Disc Informaton Identifier = "DI"	2
2	DI Format	1
3	Reserved = 00h	1
⋮	⋮	⋮
12	Disc Structure	1
13	• Channel Bit Length	1
⋮	⋮	⋮

(Wobble)



bits b7 to b4 : reserved "0000"
 bits b3 to b0 : specify main data channel bit length
 "0000" - - 80nm (23G)
 "0001" - - 74.5nm (25G)
 "0010" - - 69nm (27G)

**" Push pull Signal Detection "**

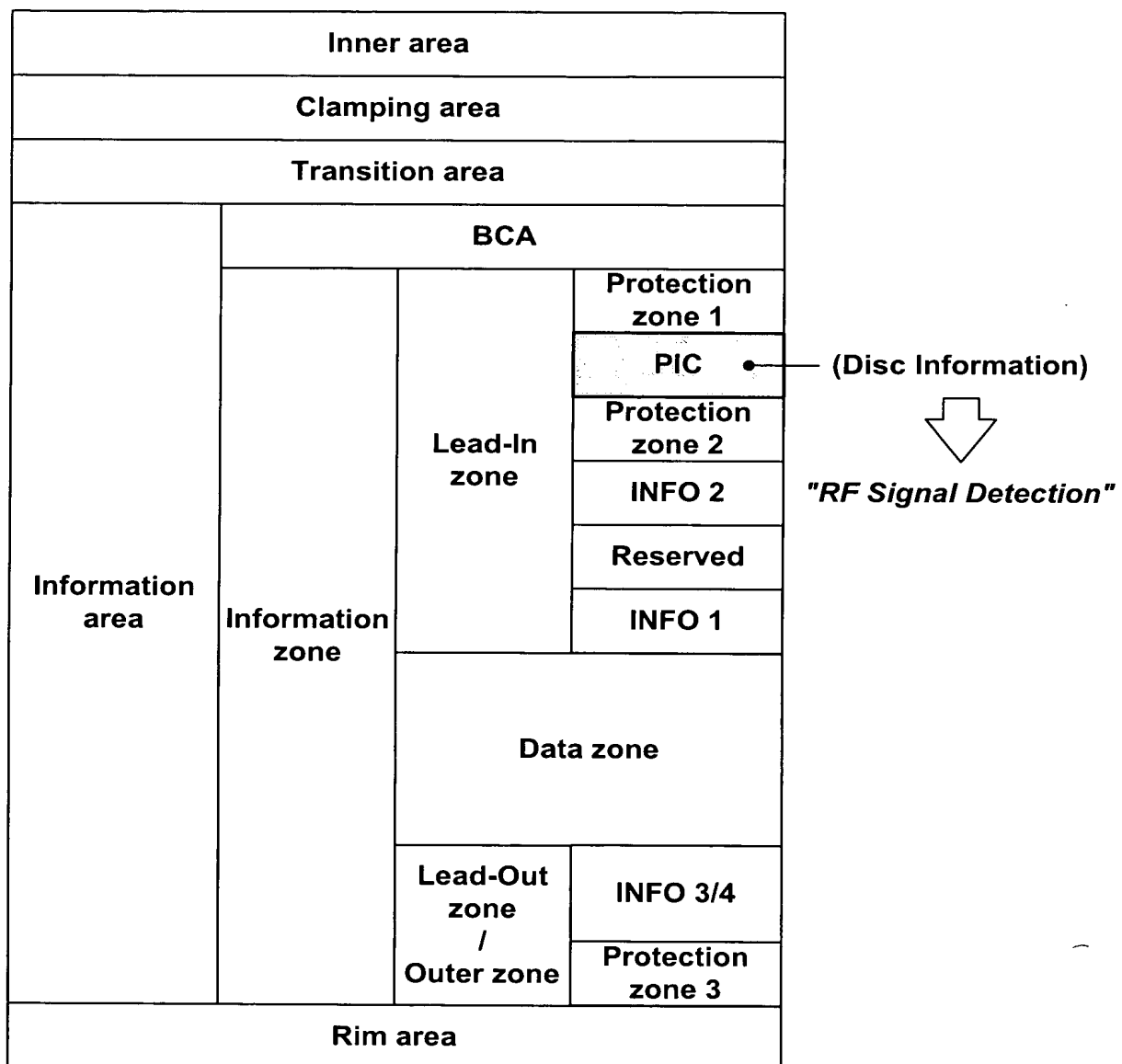
FIG. 4**BD-ROM (Blu-ray ROM)**

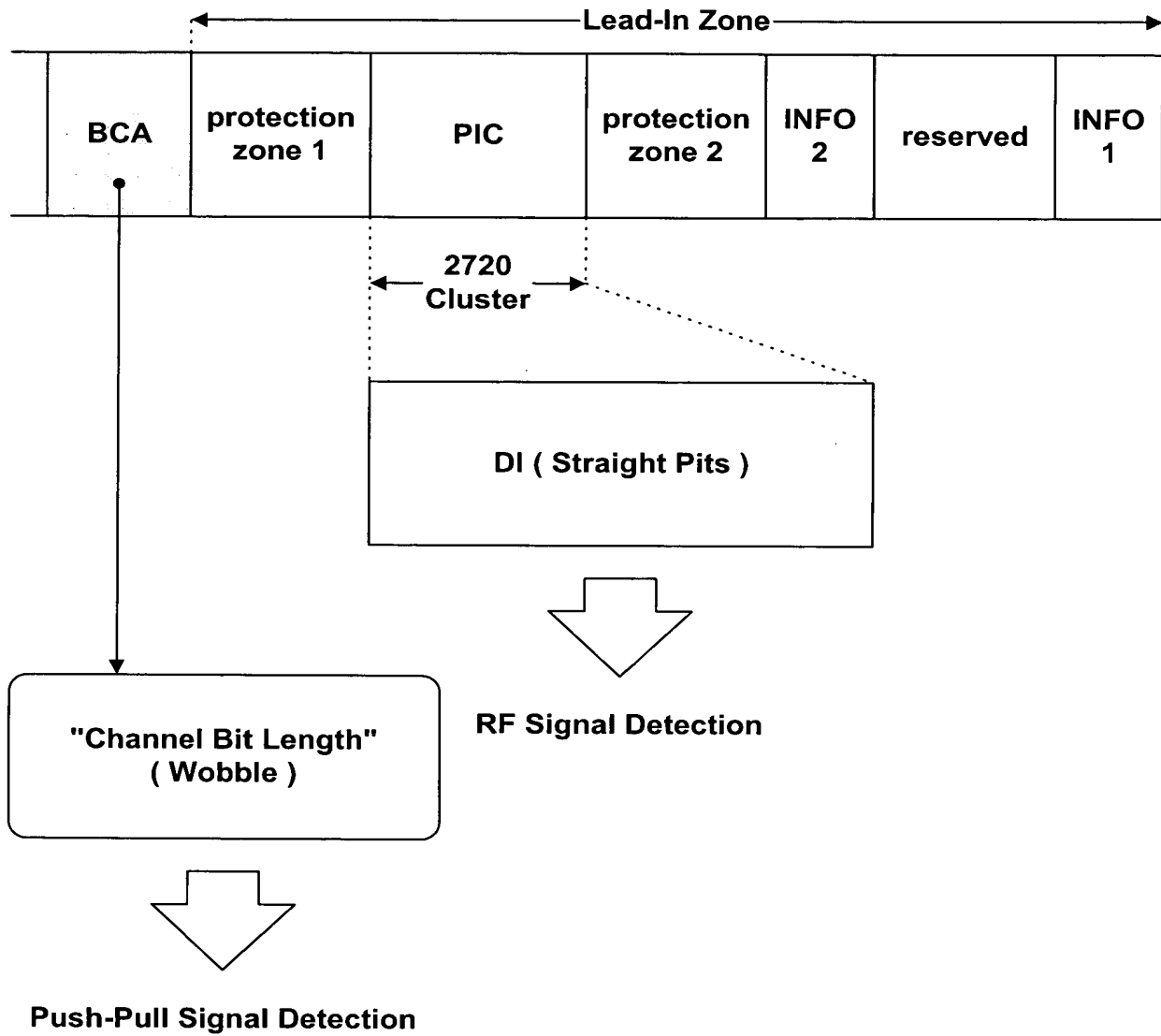
FIG. 5

FIG. 6

← 1 byte →		4 bytes					
SB(3,3)	BCA pre-amble (all 00h)					1 row	
SB(0,0)	I(0,0)	I(1,0)	I(2,0)	I(3,0)	4 rows data	1st data unit	
SB(0,0)	I(4,0)	I(5,0)	I(6,0)	I(7,0)			
SB(0,0)	I(8,0)	I(9,0)	I(10,0)	I(11,0)			
SB(0,0)	I(12,0)	I(13,0)	I(14,0)	I(15,0)			
SB(0,1)	C(0,0)	C(1,0)	C(2,0)	C(3,0)	4 rows parity		
SB(0,1)	C(4,0)	C(5,0)	C(6,0)	C(7,0)			
SB(0,1)	C(8,0)	C(9,0)	C(10,0)	C(11,0)			
SB(0,1)	C(12,0)	C(13,0)	C(14,0)	C(15,0)			
SB(0,2)	I(0,1)	I(1,1)	I(2,1)	I(3,1)	4 rows data	2nd data unit	
SB(0,2)	I(4,1)	I(5,1)	I(6,1)	I(7,1)			
SB(0,2)	I(8,1)	I(9,1)	I(10,1)	I(11,1)			
SB(0,2)	I(12,1)	I(13,1)	I(14,1)	I(15,1)			
SB(0,3)	C(0,1)	C(1,1)	C(2,1)	C(3,1)	4 rows parity		
SB(0,3)	C(4,1)	C(5,1)	C(6,1)	C(7,1)			
SB(0,3)	C(8,1)	C(9,1)	C(10,1)	C(11,1)			
SB(0,3)	C(12,1)	C(13,1)	C(14,1)	C(15,1)			
SB(1,0)	I(0,2)	I(1,2)	I(2,2)	I(3,2)	4 rows data	3rd data unit	
SB(1,0)	I(4,2)	I(5,2)	I(6,2)	I(7,2)			
SB(1,0)	I(8,2)	I(9,2)	I(10,2)	I(11,2)			
SB(1,0)	I(12,2)	I(13,2)	I(14,2)	I(15,2)			
SB(1,1)	C(0,2)	C(1,2)	C(2,2)	C(3,2)	4 rows parity		
SB(1,1)	C(4,2)	C(5,2)	C(6,2)	C(7,2)			
SB(1,1)	C(8,2)	C(9,2)	C(10,2)	C(11,2)			
SB(1,1)	C(12,2)	C(13,2)	C(14,2)	C(15,2)			
SB(1,2)	I(0,3)	I(1,3)	I(2,3)	I(3,3)	4 rows data	4th data unit	
SB(1,2)	I(4,3)	I(5,3)	I(6,3)	I(7,3)			
SB(1,2)	I(8,3)	I(9,3)	I(10,3)	I(11,3)			
SB(1,2)	I(12,3)	I(13,3)	I(14,3)	I(15,3)			
SB(1,3)	C(0,3)	C(1,3)	C(2,3)	C(3,3)	4 rows parity		
SB(1,3)	C(4,3)	C(5,3)	C(6,3)	C(7,3)			
SB(1,3)	C(8,3)	C(9,3)	C(10,3)	C(11,3)			
SB(1,3)	C(12,3)	C(13,3)	C(14,3)	C(15,3)			
SB(3,2)							

b7	b6	b5	b4	b3	b2	b1	b0
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00	: 23G -- 80nm
01	: 25G -- 75.4nm
10	: 27G -- 69nm
11	: reserved

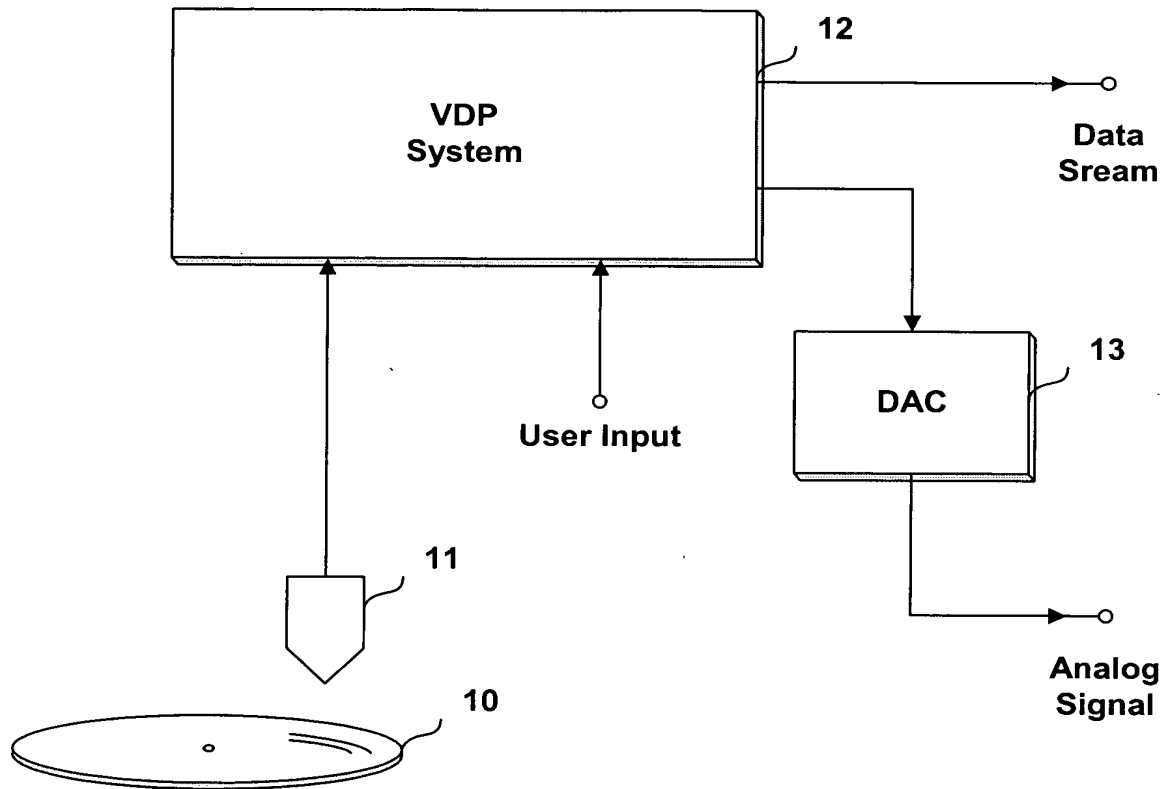
FIG. 7

FIG. 8

